Application No.: 10/557,837 Amendment Under 37 C.F.R. §1.111
Art Unit: 1792 Attorney Docket No.: 053078

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1. (Currently amended): A method for producing an anisotropic film, the method

comprising:

disposing a film containing a photoreactive material on a polarizing element, wherein the

photoreactive material is a material that is isomerized by light irradiation or is a material that is

dimerized/polymerized by light irradiation; and

irradiating the film containing the photoreactive material with light, through the

polarizing element so as to provide an anisotropy to the film containing the photoreactive

material.

2. (Original): The production method according to claim 1, wherein the film containing

the photoreactive material is formed by coating on the polarizing element a solution or a melt of

a photoreactive material and by solidifying the solution or the melt.

3. (Previously Presented): The production method according to claim 1, wherein the

photoreactive material has reactivity to light having a wavelength in a range of 1 nm to 780 nm.

4. (Previously Presented): The production method according to claim 1, wherein the

wavelength of the radiated light is in a range of 200 nm to 400 nm.

5. (Previously Presented): The production method according to claim 1, wherein the

wavelength of the radiated light is in a range of 290 nm to 400 nm.

6. (Previously Presented): The production method according to claim 1, wherein the

wavelength of the radiated light is 310 nm.

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7. (Previously Presented): The production method according to claim 1, wherein the polarizing element is at least one element selected from the group consisting of a prism polarizer, a polarizing filter and a polarizer.

- 8. (Previously Presented): The production method according to claim 1, wherein the film containing the photoreactive material is formed directly on the polarizing element.
- 9. (Previously Presented): The production method according to claim 1, wherein the film containing the photoreactive material is formed on the polarizing element with interposition of a protective layer.
- 10. (Previously Presented): The production method according to claim 1, wherein the film containing the photoreactive material further contains a liquid crystalline compound.
- 11. (Original): The production method according to claim 10, wherein the liquid crystalline compound is at least one liquid crystalline compound selected from the group consisting of a liquid crystalline monomer, a liquid crystalline oligomer and a liquid crystalline polymer.
- 12. (Previously Presented): The production method according to claim 1, wherein the film containing the photoreactive material further contains a non-liquid crystalline polymer.
- 13. (Previously presented): The production method according to claim 1, wherein the photoreactive material is at least one material selected from the group consisting of a liquid crystalline monomer having a photoreactive site, a liquid crystalline oligomer having a photoreactive site, a liquid crystalline polymer having a photoreactive site, and a non-liquid crystalline polymer having a photoreactive site.

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14. (Previously Presented): An anisotropic film produced by the production method according to claim 1.

- 15. (Original): The anisotropic film according to claim 14, which comprises a liquid crystalline alignment film.
- 16. (Original): The anisotropic film according to claim 14, which comprises an optically anisotropic film.
 - 17. (Original): An optical film comprising the anisotropic film according to claim 14.
- 18. (Original): A liquid crystal panel comprising a liquid crystal cell and an optical film arranged on at least one surface of the liquid crystal cell, wherein the optical film is the optical film according to claim 17.
- 19. (Original): A liquid crystal display comprising a liquid crystal panel, wherein the liquid crystal panel is the liquid crystal panel according to claim 18.
- 20. (Original): An image display device comprising the optical film according to claim 17.